

PINOUT INFORMATION

<u>PIN</u>	<u>COLOUR</u>	<u>FUNCTION</u>
1.	YEL/BLK	10p MICROSWITCH OR N.P.N OPEN COLLECTOR INPUT.
2.	N/C	10p MICROSWITCH OR N.P.N. OPEN COLLECTOR INPUT.
3.	WHT/BLU	10p PNP INPUT (MS 111/SENTINEL)
4.	N/C	20p INPUT (MICROSWITCH)
5.	WHT/GRN	20p INPUT (MS 111/SENTINEL)
6.	N/C	50p INPUT (MICROSWITCH)
7.	WHT/BLK	50p INPUT (MS 111/SENTINEL)
8.	N/C	50p INPUT (MICROSWITCH)
9.	WHT/YEL	£1 INPUT (MS 111/SENTINEL)
10.	BLU/BLK	0 VOLTS (10p INHIBIT)
11.	BLU/YEL	0 VOLTS (20p INHIBIT)
12.	BLU/ORG	0 VOLTS (50p INHIBIT)
13.	BLU/WHT	0 VOLTS (£1 INHIBIT)
14.	BLACK	0 VOLTS
15.	BLACK	0 VOLTS
16.	N/C	0 VOLTS
17.	N/C	0 KEYWAY
18.	ORANGE	+ 12v DC
19.	ORANGE	+ 12v DC
20.	ORANGE	+ 12v DC
21.	BLU/YIO	+ 12v DC
22.	WHT/RED	- POSITIVE COMMON FOR MS111/SENTINEL
23.	ORG/BLK	METER OUTPUT (NPN OPEN COLLECTOR)
24.	N/C	CREDIT OUTPUT (NPN OPEN COLLECTOR)
		0 VOLTS

## NOTES:-

- 1) Use 0 volts for negative common if plugging into MS 125 separator unit.
- 2) Ensure that there is no coin meter connected across any input, eg. via a microswitch or an adaptor card.
- 3) The meter will always total cash in 10p units regardless of any credit setting.
- 4) More than one coin mech may be fed into the PCB.

e.g. A) S10 (up to four)  
 B) S10 X MS 111  
 C) S10 X MS 125  
 D) S10 X Sentinel

- 5) Most credit boards are supplied with a standard credit loom.  
 (Part No 16684) fitted with a male 6 way amp mate 'N' lock connector.

Pinouts are shown below.

<u>PIN</u>	<u>COLOUR</u>	<u>FUNCTION</u>
1.	ORANGE	+12v DC SUPPLY
2.	PINK	+5v DC (LAMP SUPPLY)
3.	N/C	
4.	WHT/RED	TO COIN METER
5.	BLACK	0v DC
6.	ORG/BLK	COIN INPUT TO GAME PCB.

"This product is based in part on OMNINET technology  
licensed under the authority of corvus systems. . Inc."

# DIP SWITCH SETTINGS V-2

FUNCTION                      1    2    3    4    5    6    7    8

Bonus Games                      Not used

None                      on    on  
For every 50p                      off    on  
For every £1                      on    off  
For every £2                      off    off

1 Pulse per credit                      on  
2 Pulses per credit                      off

Price per play

10p	on	on	on
20p	off	on	on
30p	on	off	on
40p	off	off	on
50p	on	on	off
60p	off	on	off
£1	on	off	off
£2	off	off	off

Please Note:- A bonus game will only be awarded if the game price of play is less than the bonus value set. Also if a mixture of coins are inserted, the time interval between coins inserted must be of less than 5 seconds for the bonus to be awarded.

## EXAMPLES OF SETTINGS (FOR £1 INSERTED).

Price of Play	Bonus Games	Credits	Bonus	Total
10p	off	10	None	10
10p	For every 50p	10	2	12
10p	For every £1	10	1	11
20p	off	5	None	5
20p	For every 50p	5	2	7
20p	For every £1	5	1	6
30p	off	3	None	3
30p	For every 50p	3	2	5
30p	For every £1	3	1	4
40p	off	2	None	2
40p	For every 50p	2	2	4
40p	For every £1	2	1	3
50p	off	2	None	2
50p	For every £1	2	1	3

# 22 WAY EDGE CONNECTOR

## CONNECTOR A

## LOGIC PCB

## KEYWAY PIN 7, H

BLK/RED	GND	1	A	GND	BLK/YEL
BLK	GND	2	B	GND	BLK
PNK	+5v	3	C	+5v	PNK
PNK	+5v	4	D	+5v	PNK
VIO	-5v	5	E		
RED/BLK	+13v	6	F		
	KEYWAY	7	H	KEYWAY	
GRY/WHIT	L. SPEAKER	8	J	L. SPEAKER	WHT/GRY
GRY/BLK	R. SPEAKER	9	K	R. SPEAKER	BLK/GRY
ORG/BLK	COIN A	10	L	COIN B	YEL/BLK
		11	M		
WHT/ORG	METER A	12	N	METER B	WHT/YEL
RED/ORG	SERVICE SW	13	P		
GRN/BLK	START SW	14	R	START LAMP	YEL/VIO
		15	S		
		16	T		
BRN/PNK	ADJ 2 (accelerator)	17	U	+24v	GRY
BRN/YEL	ADJ 1 (steering)	18	V	DRIVE	BLK/WHT
ORG/BLU	HANDLE	19	W		
YEL/BLU	ACCEL	20	X	BRAKE	BLU/YEL
BLK	GND	21	Y	GND	BLK
BLK/GRN	GND	22	Z	GND	BLK/GRN

CONNECTOR B

COMMUNICATION PCB

5 WAY JST N/H SERIES 0.1" PITCH

1	+5v	PNK
2	+5v	PNK
3	GND	BLK
4	GND	BLK
5	GND	BLK

CONNECTOR C

VIDEO PCB

12 WAY MOLEX 0.156" PITCH KEYWAY 10

1	GND	BLK
2	GND	BLK
3	GND	BLK
4	GND	BLK
5	GND	BLK
6		
7	+5v	PNK
8	+5v	PNK
9	+5v	PNK
10	KEYWAY	
11	+5v	PNK
12	+5v	PNK

CONNECTOR D

VIDEO PCB

5 WAY ST N/H SERIES 0.1" PITCH

5	VIDEO RED	RED
4	VIDEO GRN	GRN
3	VIDEO BLU	BLU
2	V-SYNC	WHT
1	VIDEO GND	BLK/BLU

CONNECTOR F

P.S.U

9 WAY AMP M+L PLUG MALE PINS

1	+5v	PNK
2	+5v	PNK
3		
4	GND	BLK/YEL & BLK/RED
5	GND	BLK/GRN
6	GND	BLK
7	GND	BLK/PNK
8	+12v	ORG
9	-5v	VIO

CONNECTOR J

9 WAY AMP MINI M+L SOCKET

- 1 START SW
- 2 GND
- 3 HANDLE
- 4 +5v
- 5 START LAMP
- 6 +13v
- 7 +24v
- 8 DRIVE
- 9 EARTH

GRN/BLK  
BLK  
ORG/BLU  
PNK  
VIO/YEL  
RED/BLK  
GRY  
BLK/WH  
GRN/YEL

STEERING MECH

6 WAY AMP M + L SOCKET

- |         |         |
|---------|---------|
| 1 GND   | BLK     |
| 2 BRAKE | BLU/YEL |
| 3 +5v   | PNK     |
| 4 GND   | BLK     |
| 5 ACCEL | YEL/BLU |
| 6 +5v   | PNK     |

CONNECTOR K

.187 FASTONS

- 1 L/H/S SPEAKER (+)
- 2 L/H/S SPEAKER (-)

GRY/WH  
WHT/GRY

SPEAKER LEFT

CONNECTOR L

.187 FASTONS

- 1 R/H/S SPEAKER (+)
- 2 R/H/S SPEAKER (-)

GRY/BLK  
BLK/GRY

SPEAKER RIGHT

CONNECTOR M

3 WAY AMP M+L SOCKET MALE PINS

- |             |                     |
|-------------|---------------------|
| 1 +5v       | PNK                 |
| 2 CREDIT BD | WHT/RED             |
| 3 METER A   | WHT/ORG             |
| 4 METER B   | WHT/YEL (tied back) |

CONNECTOR P

MINI PUSH BUTTON

- |              |         |
|--------------|---------|
| 1 SERVICE SW | ORG/RED |
| 2 GND        | BLK     |

SERVICE SW

CONNECTOR R

VOL 1

FIT 100 ohm POT

- 1 L/H/S SPEAKER (+)
- 2 CENTER
- 3 L/H/S SPEAKER (-)

GRY/WH  
WHT/GRY  
WHT/GRY

CONNECTOR S

VOL 2

FIT 100 ohm POT

- 1 R/H/S SPEAKER (+)
- 2 CENTER
- 3 R/H/S SPEAKER (-)

GRY/BLK  
BLK/GRY  
BLK/GRY

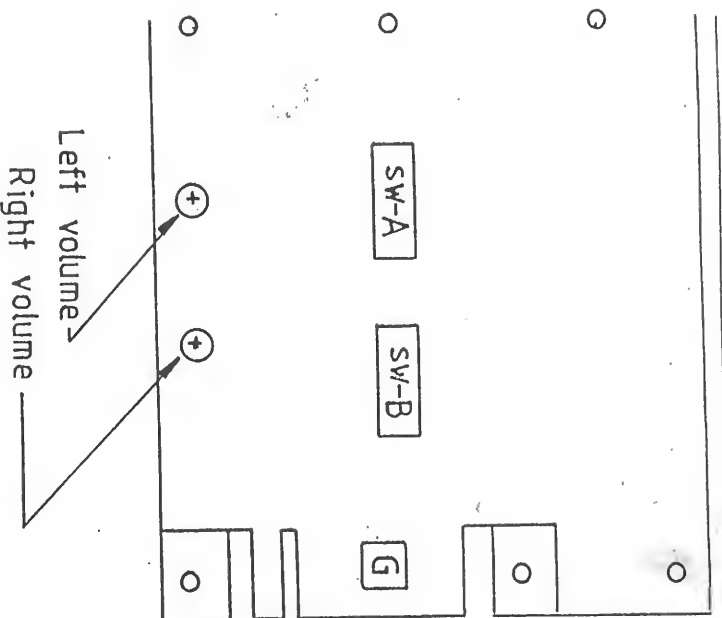
CONNECTOR T and V

ADJUST 1 and 2 ACCEL and HANDLE

FIT SK ohm POT

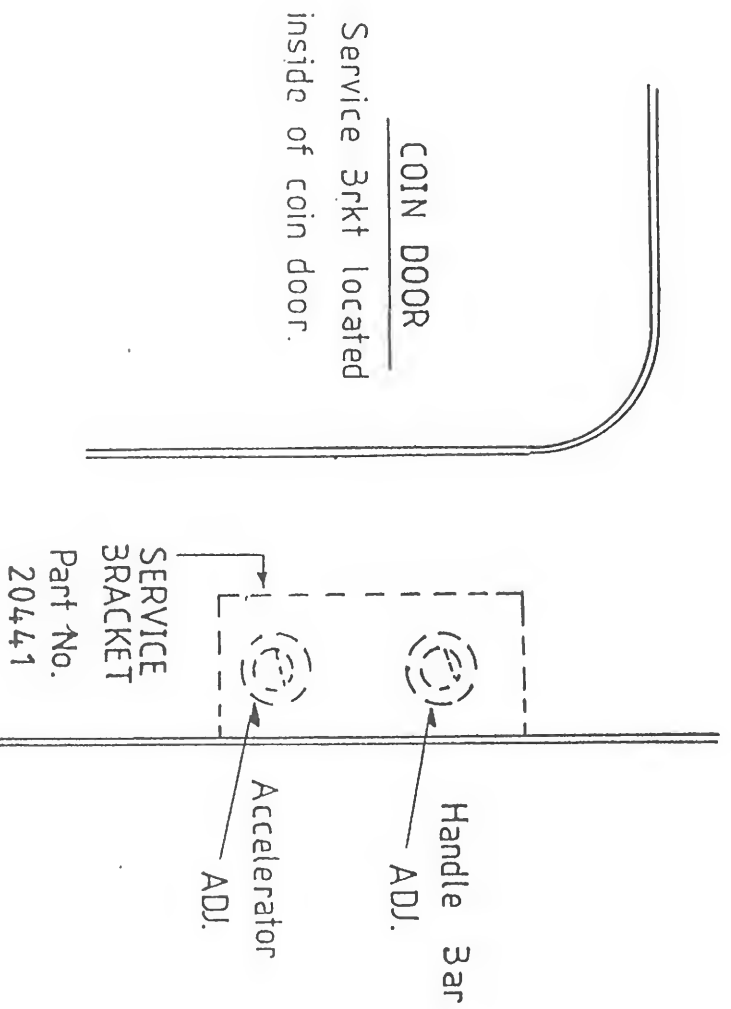
- |   |            |                   |
|---|------------|-------------------|
| 1 | ADJ GND    | BLK               |
| 2 | ADJ CENTER | BRN/YEL / BRN/PNK |
| 3 | ADJ +5v    | PNK               |

# LOCATION of DIP SWs on PC3



G connector - AMP 22 P

# LOCATION OF HANDLE/ACCELERATOR ADJUSTMENT





## ELECTROCOIN AFTERSALES & SERVICE LTD

The above company has been formed as part of the Electrocoin Automatics Group at the Cardiff factory to provide the AfterSales Service necessary to support the variety of machines manufactured by Electrocoin Automatics Ltd. The company will be responsible for servicing both Spares and Technical requirements for all U.K. manufactured Electrocoin machines, all "Famous Games" products, and all Board Games distributed by Electrocoin Ltd.

Normal working hours are Monday to Friday 08.00 to 17.30 and Saturday morning 08.00 to 12.30.

AfterSales & Service Tel No: 0222 373059 during working hours, 0836 536195 after hours/weekends.  
Please contact the following staff for:-

PARTS ENQUIRIES	- GARY SCOBLE
TECHNICAL INFORMATION	- IAN COLLEY
ACCOUNTS ENQUIRIES	- JULIE TIPPER
WORKSHOP MANAGER	- MIKE CALLAN
CREDIT CONTROLLER	- IAN HEPPESTALL

PLEASE REMEMBER, TO HELP US HELP YOU, PROMPT RETURN OF FAULTY PARTS IS ESSENTIAL.

Assuring you of the best attention at all times.



JEFF LANGLEY  
General Manager

ELECTROCOIN AFTERSALES & SERVICE LTD.